

SINGLE SENSOR PRESS SYSTEM

Abstract of the Disclosure

A tortilla press utilizing a single sensor provides improved efficiency and accuracy. The press has a belt driven by a motor and a platen driven by a hydraulic cylinder. The motor is controlled by an AC inverter. A programmable logic controller (PLC) controls the AC inverter and hydraulics associated with the hydraulic cylinder of the platen. The PLC
5 coordinates the movement of the belt and the movement of the platen. A sensor detects detectible elements on the belt and sends a signal to the inverter to initiate stopping of the belt. The inverter detects the zero hertz from the motor once the motor and belt have stopped and sends a signal to the PLC indicating that the belt has stopped. The PLC in turn passes a command that sends a signal to bring the platen down.